

# Water Testing

## Disaster Water Care



## Water Safety Kits

Combined Solutions

You save health and lives with safe potable water in disasters or water monitoring in rural regions.

### You are

- Expert or volunteer of a Non Governmental Organisation
- working in difficult environments

### The Water Safety Kits from Lovibond® guarantee

- mobility in all situations
- potable water testing according to WHO standards
- combinations of kits for each water testing challenge
- microbiological & chemical water tests
- accurate & repeatable results
- easy handling & sterilisable equipment

### Heating & Cooling



as standard in our incubator giving you the most accurate results possible in the field

# Water Safety Kit Combined

Get the complete equipment for testing potable water quality in two cases: Water Safety Kits Microbiology & Water Safety Kit Chemical with optional backback for enhanced mobility. Combined Kit with one Incubator or Combined Duo Kit with two Incubators for simultaneous measurement.

## Water Safety Kit Combined

(includes 1 case Water Safety Kit Microbiology & 1 case Water Safety Kit Chemical)

Code: 56K681251

## Water Safety Kit Combined Duo

(includes 1 case Water Safety Kit Microbiology Duo & 1 case Water Safety Kit Chemical)

Code: 56K681252



## Water Safety Kit Microbiology

- Testing coliforms and *E. coli* bacteria according to WHO standards
- Complete potable water quality testing equipment in conjunction with Water Safety Kit Chemical
- No further test equipment required

### The equipment

- DI 20 incubator with heating & cooling function
- Filtration equipment with bailer, filter flask & vacuum pump

Total weight: 14.75 kg

Dimensions: 487 x 386 x 229 mm

Water Safety Kit Microbiology also available separately: Code: 56K681254

## Water Safety Kit Microbiology Duo

Same features as the Water Safety Kit Microbiology but 2 Incubators

### Additional:

**Simultaneous measurement** of thermotolerant and non thermotolerant bacteria at different incubation temperatures with 2 incubators – one at 37° C and one at 44° C.

Total weight: 18.75 kg

Dimensions: 487 x 386 x 229 mm

Water Safety Kit Microbiology Duo also available separately: Code: 56K681255





## Water Safety Kit Chemical

- Analysis of most important chemical parameters
- Complete equipment in conjunction with Water Safety Kits Microbiology
- No further test equipment required

### The equipment

- MD 600 photometer (90 more tests possible)
- TB 211 IR turbidimeter
- Pocket Tester SD 50 pH & SD 70 Con
- Reagents for ammonium, chlorine, nitrate & nitrite

**Total weight:** 4.5 kg

**Dimensions:** 411 x 322 x 168 mm

Water Safety Kit Chemical  
also available separately: **Code: 56K681253**

## Tests & Ranges

Analysis	Range	Measuring Instrument	No. of tests	Key Features
<b>Water Safety Kit Chemical</b>				
Ammonia	0.02 - 1 mg/l N	Photometer MD 600	270	Chemical Constituent Kit for potable water Contains accurate Indicative Tests
Chlorine	0 - 4 mg/l Cl	Photometer MD 600	250	
Conductivity	0.01- 20.00 mS	Pocket Tester SD 70 Con	250	
Nitrate	0.08 - 1 mg/l N	Photometer MD 600	250	
pH value	0 - 14	Pocket Tester SD 50 pH	270	
Turbidity	0.01-1100 NTU	Turbidimeter TB 211 IR	> 250	
<b>Water Safety Kit Microbiology</b>		DI 20 Incubator (1 Incubator)		
Coliform	>1 CFU / 100 ml	Plate Count	200	Microbiological testing in a single case Simple pictographic design of DI 20
<i>E. Coli</i>	>1 CFU / 100 ml	Plate Count	200	
<b>Water Safety Kit Microbiology Duo</b>		DI 20 Incubator (2 Incubators)		
Coliform	>1 CFU / 100 ml	Plate Count	200	Microbiological testing in a single case Simple pictographic design of DI 20 Allows simultaneous measurement of different bacteria species
<i>E. Coli</i>	>1 CFU / 100 ml	Plate Count	200	



durable backpack can be used for easy transport in difficult terrain

**Note:** Kits do not include sterilisation equipment necessary for microbiological analysis:

- Pressure cookers or portable sterilizer or access to autoclave (nearby hospital or laboratory)
- Methanol (at least 1 -2 ml per test)
- Distilled water



# DI 20 Incubator

Performance directly on site with **heating & cooling** as standard

## The advantages

- Easy to use: Pictograms even for non-experts
- *E. coli* and coliform bacteria measurement
- Rechargeable battery for independent power supply
- Low voltage operation with 12 V
- USB for firmware updates
- Ambient temperature 5° C - 50° C



## Technical Data

<b>Voltage input</b>	12 V DC, 4 Amps
<b>Power leads</b>	UK, EU, USA Battery
<b>Ambient temperature</b>	5° C - 50° C
<b>Incubation temperature</b>	20° C - 47° C
<b>Temperature resolution</b>	0.1° C
<b>Temperature accuracy</b>	+/- 0.5° C
<b>Dimensions</b>	116 x 165 x 116 mm
<b>Weight</b>	approx. 600 g
<b>Time to reach temperature</b>	30 min. max

## Accessoires

Code	Item
197139	Petri Dish Holder
400855	Petri Dishes, 10 pc.
19803550	Power Pack, 12 V, 48 W
136300	Power Cable Set
190630	USB Cable
192340	Lead Acid Battery
197259	Battery Cable

**Code: 56B000714**

(DI 20, power leads, 50 petri dishes, power supply)

Incubator also available separately

## Optional

Accessories / Replacements	Quantity	Code:	Quantity	Code:
Nitrate Test Powder	15 g	465230	Media pads & dispenser	200 pc 56A016330
Nitrate Test Tablet	250 pc	502810	Petri dishes	50 pc 400855
Free & Total Chlorine (DPD No.1) Tablet	250 pc	511051BT	Membrane lauryl sulphate broth	40 g 56P069740
Free & Total Chlorine (DPD No.3) Tablet	250 pc	511081BT	Filters	600 pc 56A023800
Phenol Red	250 pc	511771 BT	KS3 - pH 10 Buffer Solution	65 ml 56L000365
Nitite LR Tablet	250 pc	512311BT	KS6 - pH 4 Buffer Solution	65 ml 56L000665
Ammonium NR.1 Tablet	250 pc	512581BT	KS9 - pH 7 Buffer Solution	65 ml 56L000965
Ammonium NR.2 Tablet	250 pc	512591BT	1413 µS Standard Conductivity Solution	65 ml 56L001665



**Optional:** durable backpack for easy transport in difficult terrain: leaves hands free  
**Code: 56A014000**



durable backpack for easy transport in difficult terrain: leaves hands free



**Also available Kit:**

Water Safety Kit Basic  
**Code: 56K681250**

